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# Montana Schools

VOLUME 27, NO. 2

OFFICE OF PUBLIC INSTRUCTION  
Ed Argenbright, Superintendent

DECEMBER 1983

## The "Price" is Right! Montana Teacher of Year

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Ken Price, veteran science teacher and head of Helena High School's Science Department, has been selected as the 1983 Montana Teacher of the Year.

Ralph Wagner, Hardin Primary School, and Floyd Van Weelden, McGrade Elementary School, Libby, won second and third place respectively.

The Teacher of the Year contest is sponsored nationally by the Council of Chief State School Officers and is coordinated by state departments of education. Teachers nominated for the award are judged according to their philosophies of education, professional contributions and civic services.

"This year we had some tremendous candidates for this award," said Ed Argenbright, State Superintendent of Public Instruction. "The high quality of these educators is truly remarkable. They represent the strong professional commitment made by the majority of Montana teachers. The Teacher of the Year award program is conducted annually to bring recognition to all our fine teachers. Ken Price represents the committed educators who dedicate their lives to their students and their classrooms. It is time that we acknowledge these outstanding individuals."

Price has taught science in secondary schools for 18

years—the last six at Helena High. He also serves as a school board member for the Kessler Elementary School District of Helena and is treasurer for the Montana Science Teachers Association. Price is active in local, state, and national education associations.

Last year Price was one of 26 teachers chosen nationally in the Search for Excellence in Science Education. He was named Montana's Outstanding Physical Science Teacher in 1983 by the National Science Teachers Association in recognition of a special seminar class he designed with his principal, Dr. Peter Carparelli, for highly motivated senior science students.

Excellence in education apparently is a family tradition for Price. His mother was a Teacher of the Year in Arizona and his aunt earned that honor in Colorado.

"Education lays the foundation for one's quality of life," Price said. "Whatever people decide to do with their lives, success depends upon training and education. Since it is a teacher's duty and responsibility to provide the best possible education for each student, I believe a teacher should focus on three main objectives." Those objectives, he noted, are to provide accurate information in an understandable and interesting manner, to give students a feeling of success, and to instill self discipline in students.

(continued page 2)



Ken Price, Helena High School  
1983 Montana Teacher of the Year



Ralph Wagner, Hardin  
First Runner-Up





## From the Superintendent

We have spent a great deal of time during the past few months on several critical issues for Montana schools.

We have met several times with the State Board of Education on the future of education in the state. Following review of numerous national reports and meetings with various Montana groups interested in the results of these reports, Montana's State Board of Education has identified several areas for potential policy change and is seeking the advice of Montana citizens. The Board has designated the evening of Tuesday, February 14, as "School Night for Excellence" and hopes that every school district in Montana will hold public meetings on that evening. Subjects identified by the Board will be presented for discussion, and questionnaires on these topics will be distributed for everyone in attendance to complete. The Board will use the statewide results as part of its review of educational policy. Involvement of everyone in the community can help produce a gathering that truly represents the views of the people in local districts.

I have testified before the joint subcommittee studying the veterans' preference law and the special session of the 1983 Legislature advocating the return to the "tie-breaker" use of this statute. I have also urged legislators to specifically exclude local school districts from this requirement.

Last week I attended a meeting in Indianapolis where 2,300 leaders from every state in the union discussed the future of American education. Secretary of Education Terrel Bell and President Reagan both appeared at the conference, and I was impressed by the solid commitment of everyone in attendance to the improvement of our schools. I am convinced that the results of all this national furor over the state of education are going to be positive—not just talk.

I appeared before the Board of Public Education and recommended that graduation requirements be raised to 18 by 1984 and to 20 by 1986; that all students be given achievement tests and results used to communicate with parents and for making individual education decisions; that lengthening the school year would be preferable to lengthening the school day, if the legislature could provide the necessary funding.

As one speaker at the national conference noted, the national spotlight on education has "opened the window of opportunity." We in education must take advantage of this opportunity to make Montana schools even better than ever.

*Ed Argenbright*

—Ed Argenbright  
Superintendent of Public Instruction

# Montana Teacher of Year Selected

Continued from page 1

Ralph Wagner, first runner-up, has been a teacher for 12 years, the last three in his present position at Hardin Primary. He has developed a special bilingual program for teaching English as a second language and teaches a special combination class for first and second graders. He has judged science fairs and speech and drama meets and has served as chairman for science curriculum and computer committees. In his spare time Wagner teaches computer technology to gifted and talented students and works as an outreach volunteer for the Billings Childfind Project. He also is local director for the national projects of Talents Unlimited and Precision Teaching.

Second runner-up Floyd Van Weelden has taught school for 23 years and has been at Libby for the past five years. Although experienced at teaching all grade levels, Van Weelden has chosen the intermediate grades as his favorite. He also teaches business courses in the evening at Flathead Community College. He has been active as a basketball and soccer coach, yearbook advisor, school play director, cheerleader advisor, member of curriculum review committees, member of a gifted and talented program committee, and student teacher supervisor.

Van Weelden has received the local Jaycee's Outstanding Educator Award and the Certificate of Meritorious Teaching Achievement from the National Council of Geographic Education. He has been appointed as a national board member of the American Field Service foreign exchange program.

Six other teachers were nominated for Teacher of the Year. They are Gertrude Weishaar, Fairfield; John Trask, Manhattan; Carmen McFarlane, Missoula; Phyllis Plummer, Colstrip; Helen Farmer, Harlem, and Bonnie Anderson, Havre.

Last fall Don Goddard of Flathead High School in Kalispell was chosen as the 1982 Montana Teacher of the Year. First runner-up was Tina Veroulis of the Four Georgians Elementary in Helena and second runner-up was Patricia Peterson of Havre High School. Goddard was one of the only music educators to be chosen for the prestigious honor.



Floyd Van Weelden, Libby  
Second Runner-Up



## MONTANA SCHOOLS

Montana Schools is published four times a year by the Office of Public Instruction, State Capitol, Helena, MT 59620. Second class postage is paid at Helena, MT. Montana Schools is distributed in the public schools and to members of boards, associations, organizations, and other individuals interested in Montana education (USPS 601690).

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POSTMASTER: Send address changes to: Montana Schools, Office of Public Instruction, State Capitol, Helena, MT 59620.

USPS 601690



# Education Technology Commission is Organized for the State

The primary goal of a technology conference held in Montana last June was the formation of a Montana Educational Technology Commission. State Superintendent Ed Argenbright and Governor Ted Schwinden met this month to discuss the formation of such a commission.

Last summer's conference was organized by the U.S. Department of Education and coordinated by OPI. Montana was chosen as one of five states in the nation to participate in project SLATE (State Leadership Assistance for Technology in Education). During the intensive two-day seminar, a group of 65 influential leaders (legislators, elected officials, educators and businessmen) formulated a concrete plan for effective utilization and implementation of technology in the state.

At the top of the priority list produced by the conference was the formation of a steering committee to develop a statewide plan of action. This month Argenbright and Schwinden chose Leland Walker of Great Falls as chairman of the Educational Technology Commission. Walker is an engineer by profession and is the president of Northern Engineering and Testing, Inc. He has been involved with education as a member of professional engineer committees reviewing and accrediting programs at university departments of engineering.

The membership of the Educational Technology Commission will include 15 members representing the university system, the Board of Regents, the public school system, the Board of Public Education, community col-

leges, vocational-technical centers, the OPI, the private sector, organized labor and the Department of Labor and Industry.

The statewide plan to be developed by this group will include several components, one of which will be the training and retraining of Montana citizens so that they can begin to benefit from the use of technology. Ranchers, businessmen, laborers, and housewives should all be able to see how technology can enhance their lives.

Another goal of the group is to establish a statewide communication network to exchange technological information. Cooperation with neighboring states would be an important step in this process. An electronic network would include education, state and local government, and access to national databanks. A key element of the network would be the exchange of people resources.

The development of curricular guidelines would be yet another component of the plan. This material would guide schools in proper and uniform implementation of technology. Curricula would include incorporating technology into existing curriculum as well as the study of technology as a subject itself. The establishment of a mechanism to disseminate information on the selection and evaluation of education software would be a significant contribution of this component.

The Education Technology Commission will soon be addressing the various tasks assigned to it. The results should be interesting.



Eileen Solberg  
Great Falls High School

## Solberg Announced as P.E. Teacher of the Year

State Superintendent of Public Instruction Ed Argenbright recently announced that the 1983 Montana Secondary Physical Education Teacher of the Year is Eileen Solberg of Great Falls High School. The award is made annually by the Montana Association for Health, Physical Education and Recreation.

Solberg has become known throughout the northwest for an innovative and effective high school adaptive physical education curriculum she has designed to meet the needs of obese students. The program employs four specific techniques of weight control that provide a comprehensive and humanistic approach to dealing with the problem of obesity rather than merely treating the symptoms. The four components are behavior modification, physical conditioning, nutrition education and self-concept improvement.

Physical management has proven to be much more effective than standard physical education classes for reaching overweight students. Traditionally, the overweight student has been tolerated, ignored, or even inadvertently humiliated in physical education classes. Physical management removes the embarrassment of failure from the overweight student by structuring a class where they need not compete or be compared to athletes and normal-weight students.

Solberg designed her physical management program in 1979 using a state education grant through the Office of Public Instruction. Since that time, the state office has conducted regional training workshops involving over 20 Montana schools and over 240 teachers. Interest in the program has mushroomed over the past few years to the national level. It was selected out of several thousand in the country to be presented in a workshop at the National Convention of the Society for Nutrition Education which was held in Denver in July.

In addition to her program, Solberg has appeared on several television shows dealing with physical fitness. She has served on several state committees and boards concerning education and has also designed a program of physical fitness for private business groups.

As Montana's Physical Education Teacher of the Year Solberg will progress to regional competition and then to national competition scheduled in March.



Montana is among the leading states in the nation with computer technology in the classroom. During the 1982-83 school year 538 schools had over 1,800 computers. This year the number of machines has nearly doubled as well as the number of teachers who use the machines. One hundred percent of high schools and 84 percent of elementary schools have computers. The computer-to-student ratio in the state schools is one to 46—nearly the lowest in the country.

Montana schools are literally leading the way in the field of educational technology. The evidence is easy to find. During the last year 12 national magazines carried articles about Montana computer education programs. Many Montana teachers received national recognition for their activities during the past two years. The state is definitely not lagging behind when it comes to this area of the curriculum.

**All state phone numbers have changed.**

For OPI's new numbers  
please call 1-800-332-3402.



# New Program Offers Alternative to Acquire High School Diploma

Until recently, Montana adults who had failed to complete high school had two alternatives. They could live with the economic handicap and limitations of not having a secondary diploma, or they could take a battery of General Educational Development (GED) tests and possibly earn a Montana High School Equivalency Certificate.

Although the GED is "in general" honored by most employers and degree granting institutions, it is not a high school diploma, according to Bill Cunneen, Adult Education Specialist in the Montana Office of Public Instruction. Cunneen is responsible for administering the External Diploma Program, the GED program, and adult basic education.

Now there is another alternative in Montana for the "undereducated" adult. This program is called the External Diploma Program, and it has been piloted in Montana during the past four years. Basically it provides a means for adults to acquire a secondary diploma which demonstrates to society that they have the skills normally ascribed to a person who has completed a secondary education program.

How does the external diploma differ from the GED?

"The GED involves having the individual meet minimum requirements by being tested in five general areas: writing skills, social studies, science, reading skills and math," Cunneen explained. "In the External Diploma Program, we employ a process that measures an individual's ability in a total of 64 different skills. Individuals first are evaluated at one of five External Diploma Centers in the state and are given an assessment of their skills. Center staff members make recommendations concerning weak areas; participants then improve or acquire the skills needed in adult basic education classes in those individual areas."

After brushing up on weak areas, applicants for an external diploma must take both written and performance examinations to show they have acquired a certain skill level.

If civics is a weak area, for example, students may be required to interview a county commissioner, or they may be asked to find out what the taxes are on a piece of property. The individual may be given a problem to solve—for instance, provided certain premises such as a

hypothetical income and life skills and asked to fill out a job application, read an employment want ad and respond to it.

Numerous national research projects have established that 30 percent of American adults do not have basic life skills needed to function successfully in society. They cannot read a want ad or fill out a job application; they may not be able to read a map well enough to travel any distance; they don't have basic math skills. All of these things have a direct bearing on a person's economic and personal well being.

"Ironically," Cunneen noted, "the adult who has earned a GED certificate or an external diploma may well be more proficient in certain areas than the high school graduate who receives a secondary school diploma after four years of attendance. Thirty percent of the graduating seniors nationwide in 1983 could not meet the minimum requirements for the Montana Equivalency Certificate."

The External Diploma Program was developed by Dr. Ruth Nickse in New York state nearly ten years ago, and it has been adapted to meet Montana's particular needs.

"The significant point is that the legitimacy of this diploma is pretty well established," Cunneen continued. "This diploma is useful for any adult who is in need of a secondary education credential."

"The program is not for everyone," Cunneen concluded. "The requirements are stringent, and individuals must be well motivated to complete the process. For those adults who need a second chance, the External Diploma Program is a good opportunity."

External Diploma Centers in the state are the Missoula Adult Learning Center, Helena Adult Learning Center, Great Falls Adult Learning Center, Flathead Valley Community College and Dawson Community College.



Bill Shupe of the Helena Adult Learning Center introduces the External Diploma Program to two students—James Hogan of Helena and Gerry Hopkins of Boulder. Shupe, an assessor/advisor for the External Diploma Program, has worked with the program as a pilot project in Helena for three years. He particularly likes the flexibility that the program offers to students. He noted that his experience has found that it takes about ten weeks for a candidate to complete the requirements for the special diploma.

## Gifted and Talented Funds Available

The Montana legislature has once again designated special appropriations for the development of programs for gifted and talented students. In 1981, the 47th Legislature appropriated \$200,000 to be used to strengthen schools by supporting local activities designed to improve the education of gifted and talented students. The 1983 Legislature funded the appropriation again.

The money is to be divided equally over the biennium. In the first biennium, a total of 46 schools benefitted from the funds. In the first year of this biennium, 32 programs have been financed. Applications for grants for the second year are now being accepted by the Office of Public Instruction.

The one-year grants will be awarded on a competitive basis for one year only, with a maximum of \$5,000 each. Local districts are required to supply equal matching funds. Any school, grades K-12, may apply if it has identified gifted and talented students in such areas as general intellectual ability, specific academic aptitude, creative and productive thinking ability, leadership ability and visual and performing arts.

The deadline for submitting grant proposals is March 16, 1984 with the term of the grant being July 1, 1984 through June 30, 1985. For more information, contact the Department of Special Services, OPI, 1-800-332-3402.

# Don't Miss the Education Fair!



# Montana Schools Raised \$6,000

Although Montana is a long way from New York harbor, Montana students have raised nearly \$6,000 for the renovation of the Statue of Liberty since the project began less than a year ago.

How do you raise \$6,000 in less than a year?

The students in Mrs. Weaver's second grade class in Columbia Falls fashioned a replica of the Statue of Liberty from papier mache. It stretched six feet tall and two feet in diameter. They painted it green and showed it in each classroom throughout the school to solicit involvement.

The Park City Elementary School saved pennies during the month of October. They saved 152¼ pounds of coins for the statue, a total of \$215.89.

The 17 children at the two-room school in Divide (about 30 miles SW of Butte) made a patchwork quilt. They each designed a square portraying an important event in the history of the United States. Students are selling raffle tickets on the blanket to raise money for the statue.

The 30 students in the rural school of Richland drove to the neighboring community of Livingston and spent their Saturday sponsoring a "Save our Statue" car wash.

The student council of Lincoln Junior High in Billings donated \$100 and simultaneously issued a challenge to the nine other secondary schools in the city. If all the Billings schools meet this challenge, the project will net \$1,000.

Hawthorne Elementary School students in Helena did odd jobs around town to raise \$42. They also sold "happy-grams" to raise another \$17.50.

The entire enrollment of five pupils from Hockett Basin School traveled over 60 miles to Miles City where they sponsored a bake sale and raised \$65 for the statue project.

The 139 students at Swan River School organized oral presentations which they presented to various community groups to gather interest in their fund raising efforts.

Students at the Fred Graff Elementary School in Laurel raised \$193.52 by collecting newspapers and pop cans to recycle and by selling used children's books and other goodies at a bake sale.

Northside School students in Wolf Point popped, boxed and sold popcorn to raise \$126. Vida Elementary students earned \$32 at a "white elephant sale."

The list of creative ways in which Montana students are raising money to help repair the statue is too long to include everyone. What is important is the personal touch each school adds to its involvement in the project.

Has your school participated but is not included on the honor roll? Call OPI, 1-800-332-3402.



## Statue of Liberty Honor Roll

Red Lodge Schools  
Target Range School, Missoula  
Cut Bank Elementary  
Forsyth Elementary  
Lincoln Junior High, Billings  
Rossiter School, Helena  
Arrowhead School, Billings  
Huntley Project Elementary  
Swan River School  
C.R. Anderson School, Helena  
Darby High School  
Big Sandy Elementary  
Lewis & Clark School, Lewistown  
Hawthorne Elementary  
Superior Elementary  
Hawthorne School, Helena  
Whitehall Elementary  
Lilian Peterson School, Kalispell  
Big Timber Elementary  
Choteau Elementary  
Mount Jumbo School, Missoula  
Bench School, Billings  
Victor Elementary  
Sunnyside School, Great Falls  
Whittier School, Butte  
Columbus Elementary  
Deep Creek School, Cascade County  
Vida Elementary  
Potomac Elementary, Missoula  
Troy Junior High  
Chester Elementary  
Chester High School  
Sunnyside School, Havre  
Alkali Creek School, Billings  
Harlem Elementary  
Hockett Basin School  
Fred Graff Elementary, Laurel  
Drchard Elementary, Billings  
Loma Elementary  
Baker Elementary  
Willard School, Missoula  
Noxon Elementary  
Kalispell Junior High  
Three Forks Elementary  
H.C. Davis Elementary, Cut Bank  
Geyser School  
Russell Elementary, Missoula  
Park City Elementary  
Divide School  
Longfellow Elementary  
Lincoln McKinley Elementary, Havre



## Butte Art Program Successful

Charlene Greene is one of four fine arts instructors in Butte elementary schools. Art is no longer viewed as a play period in these schools. Four years ago, the Butte district adopted a strong art curriculum for intermediate grades, and the program has been going strong since then. Students in these art classes take vocabulary quizzes and regular tests and keep a semester notebook.

Greene has published articles in several national educational magazines during the past couple of years. She is proud of the fact that two of her students were chosen recently as winners out of over 2,000 entries in a national poster contest. Two other students received honorable mention in the contest.

Greene noted that the strong support of both the district school board and the administration has helped to make the program a success.





# UNCLASSIFIED

## TITLES INDEXES AVAILABLE

The Educational Resources Information Center (ERIC) announces the availability to Montana classroom teachers of *Titles*, a library of instructional resources selected from entries made to ERIC during the past year. *Titles* is designed to help teachers find helpful instructional material.

One index is designed for use by and with students over the age of 13, focusing on traditional academic subjects. Another lists documents designed to help users explore all aspects of occupational and career development. Another lists documents designed to help teachers and administrators bring computer technology into the classroom. Teachers may obtain any of the four indexes by sending \$3, or all four indexes by sending \$9. Multiple copies are available to schools and districts for \$1 (50 or more). Contact *Titles*, 617 North "A" St., Oxnard, CA 93030.

## NEW SCHOLARSHIP PROGRAM FOR HIGH SCHOOL ATHLETES

Montana high school students with college-level athletic skills who may need help meeting the required standards on the verbal part of the Scholastic Aptitude Test (SAT) may be eligible for a new scholarship program from International Paper Company. Ten \$750 verbal SAT coaching scholarships will be awarded to athletes who will be high school seniors in 1984-85. The scholarships may be used with any accredited tutor during 1984 specifically to help the student athlete improve his or her performance on the verbal section of the SAT.

To be eligible, a student must have passing grades in high school and have lettered in a major sport such as basketball, baseball, football, wrestling or track. The student must be judged by his or her coach as having college-level athletic skills and by the school's English department as being capable of benefiting significantly from a verbal SAT coaching program. Application for the

scholarship must be made by the student's coach or athletic director before February 1, 1984.

For more information write International Paper Scholarships, c/o Scholastic Coach Magazine, 730 Broadway, New York, NY 10003.

## SUMMER FELLOWSHIPS FOR TEACHERS OF THE HUMANITIES

The Council for Basic Education will award fellowships of \$3,000 for independent study in the summer of 1984 to outstanding teachers of the humanities in grades 9-12. The fellowships are funded by an \$800,000 grant from the National Endowment for the Humanities.

Teachers eligible to apply must have a master's degree or its equivalent; have taught full-time in grades 9-12 for at least five years; teach at least three-fifths of a full schedule in English, foreign languages, history or another humanities discipline; and have at least five years of service remaining before retirement. Each must have a plan of summer study.

The deadline is December 19, 1983. Further information may be obtained by writing Independent Study in the Humanities, P.O. Box 2915, Princeton, NJ 08541.

## HONORS WORKSHOPS FOR SCIENCE AND MATH TEACHERS

The National Science Foundation will sponsor "Honors Workshops" for teachers during the summer of 1984. The workshops will develop specialized training, practical experience and leadership in the areas of science, mathematics and technology. The basic goal of the program is to "motivate and increase the capabilities of pre-college mathematics and science teachers, improving their instruction techniques." Workshops will provide training for teachers at all K-12 levels.

For more information write Honors Workshops for Pre-College Teachers of Science and Mathematics, Office of Engineering Personnel/Education, National Science Foundation, Washington, D.C. 20550.

## MONTANA POWER RESOURCE GUIDE

Educators in the Montana Power Company service area now may take advantage of the utility's Teacher's Resource Guide. The guide catalogs free or loan materials available to teachers in the areas of science, reading, mathematics, social studies and home economics, among others. This year the guide has been expanded to include computer software and videotapes available on loan. Several new posters have been added. A teacher's advisory committee helped review and select the offerings included in the guide.

For more information contact E.W. Spooner, Consumer Educational Services, Montana Power Co., 40 E. Broadway, Butte 59701, 723-5421.

## NATIONAL PTA LAUNCHES FIGHT AGAINST DRUG & ALCOHOL USE

The PTA has launched a two-pronged attack against drug and alcohol use among school-age children. The objective of the National PTA's Drug and Alcohol Use Prevention Program is to strengthen parent-child communication. The PTA is encouraging its 25,000 local units and 5 million members to actively participate by conducting drug and alcohol projects at the grass roots level. The October 1983 issue of the National PTA magazine *PTA Today* contains a complete guide for community organizations interested in beginning substance abuse programs. A copy may be obtained by sending a check or money order for \$1 to the National PTA, 700 N. Rush St., Chicago, IL 60611.

## WOMEN IN SCHOOL ADMINISTRATION

The SEE Institute will continue to provide training workshops for women considering education administration. Two conferences are scheduled. Women in School Administration I will be held January 27-28 in Great Falls at the Rainbow Hotel; Women in School Administration II will be held April 13-14 in Bozeman at the MSU Student Union Building.

Conference I topics will include: The Job—A Profile; Developing Leaders for the '80s; What Are School Boards Looking For?; Education, Internship and Credentials; Resume Reviews—Write it Right!; A Tale of "O," Being Different in

an Organization; and Networking—Developing a Support System.

Women in School Administration II is designed to focus on the specific needs and interests of each participant. Participation in part II requires attendance at part I, in either January 1983 or January 1984. Personalized training will be directed toward determination of management style, interview techniques, credentials, mentorship and other topics.

Fee for each conference is \$15. Inquiries and registrations should be directed to the SEE Institute, Rocky Mountain College, Billings 59102, 657-1106.

## NATIONAL PTA REFLECTIONS PROJECT ANNOUNCED

The National PTA is encouraging Montana students to participate this year in the National PTA Reflections Project, a program designed to provide an opportunity for young people to use their creative talent by expressing themselves through their own original artwork. The project gives recognition to creative students as a means of encouraging them in the field of fine arts. More than a quarter million students across the nation and on American military bases in Europe participate in the project each year. The theme for 1983-84 is "I Have A Dream."

For more information, contact your local, state or the National PTA, 700 N. Rush St., Chicago, IL 60611-2571, (312) 787-0977.

## 1984 NATIONAL JOURNALISM CONTEST

Deadline for submission of entries to the 1984 National Journalism Contest is February 11, 1984. The contest is part of a national awareness program to stimulate employment opportunities and community acceptance of handicapped people. The theme of this year's contest is "Employers or Employees: Disabled People Working."

The contest is open to high school juniors and seniors. Students will investigate the difficulties handicapped persons face as employees or as employers in the job market, and they are encouraged to interview handicapped persons and their friends and neighbors in order to obtain information about how handicaps affect working life.

Do you have a copy of the popular handbook published by OPI *The Elements of Computer Education: A Complete Guide*? It has all your answers for \$4.  
Call 1-800-332-3402.



Submitted articles will be reviewed by a panel of three judges. A winner and two runners-up will be chosen on February 18, 1984. The first place article will be forwarded to the President's Committee on Employment of the Handicapped to be judged in competition with first place entries from other states and territories.

The first place winner also will receive a round-trip to Washington, D.C., plus \$150 for expenses, to attend the annual meeting of the President's Committee on Employment of the Handicapped.

For more information contact the Disabled American Veterans, Fort Harrison S9636.

#### TEACHER MAGAZINE ON COMPUTERS

Scholastic Inc. announces publication of *Teaching and Computers*, a new monthly magazine dedicated exclusively to helping elementary school teachers understand and use the microcomputer in the classroom. The magazine will provide specific, understandable information for the classroom teacher interested in learning about and teaching with the computer. It will help teachers integrate computers into their daily teaching.

For further information contact Avery Hunt, Communications, Scholastic Inc., (212) 505-3410.

#### HERVEY COOK SCHOLARSHIP

The deadline for Montana students to apply for the Hervey Cook Scholarship is January 1, 1984. Two students will be selected for this unique scholarship. Funded by the estate of Townsend resident Hervey Cook, the scholarship provides tuition plus room and board for four years of attendance at St. Paul's Preparatory School, Concord, NH, as well as funds for four years attendance at a college or university of the student's choice anywhere in the world. Travel is not included.

Applicants will be selected according to academic achievement. For more information contact Earl Johnson, Selection Committee Chairman, P.O. Box 1709, Helena S9601.

#### OLYMPIC INTERDISCIPLINARY BOOKS

Educators can now purchase two books through the United States Olympic Committee that provide a wide variety of interdisciplinary classroom activities related to the Olympics.

Each book is \$3.50. One is designed for grades K-6; the other for grades 7-9. Books may be obtained by writing U.S. Olympic Committee, Olympic House, 1750 East Boulder St., Colorado Springs, CO 80909.

#### HIGH-TECH FILMS FOR HIGH SCHOOL STUDENTS

"Science Screen Report," a monthly, fast-moving film series examining some of the latest developments in medicine, biology, environment, engineering and high-tech subjects will be available this year to more than 7 million students nationwide. The objective of these exciting, 13-minute films is to introduce young people to the sciences and to encourage them to think about careers in scientific fields.

The films are made available by a coalition made up of private interests in American business which has been in existence since 1970. Allegro Film Productions now has more than 200 clients providing films free to more than 1,000 school districts nationwide.

For more information contact Jerry Forman, Allegro Films, (212) 254-1120 or (305) 484-5150.

#### ELEMENTARY STUDY IN ENGLAND

For the eleventh summer, Western Washington University is planning a four-week study tour for teachers and administrators in Oxfordshire, England, June 20 to July 19, 1984. The program carries 12 quarter hour credits and a total cost of \$2,100 (exclusive of air fare).

After a tour of London and a visit to an innercity school, participants will live for one week in Oxfordshire with a British family and teach in their school; they will then spend three weeks at Oxford University interacting with internationally known British educators, participating in "hands-on" workshops in many areas of the curriculum and visiting cultural centers such as Stratford and Warwick Castle.

For more information contact Dr. Marian Tonjes, Education Department, Western Washington University, Bellingham, WA 98225, (206) 676-3336.

#### TEACHER EXCHANGE TO AUSTRALIA

Montana teachers are invited to participate in the International Teaching Fellowship Program for 1985. As in the past, Montana will exchange teachers with the Department of Education, Victoria, Australia. The fellowship offers an elementary or secondary teaching position for one calendar year. Applicants should have at least four years of teacher training and at least five years of teaching experience. For more information contact Ed Eschler, OPI, 1-800-332-3402.

#### NEWSPAPER IN EDUCATION WEEK

The week of March 5-9 has been designated as "Newspaper in Education Week" (NIEW) by the American Newspaper Publishers Association Foundation and the International Reading Association.

During this week newspapers, schools and IRA councils throughout the U.S., Canada and several other countries will be involved in activities designed to enhance and extend reading as a lifetime habit and to enable students to become better informed citizens through the use of their newspapers.

Newspapers have been an integral part of the instructional program in many schools for over 50 years. The purpose of NIEW is to complement and extend the use of the newspaper as a resource in the curriculum.

NIEW '84 in Montana is being coordinated by the Montana State Reading Council of IRA and the Montana Press Association. Participation in the program is voluntary.

#### MONTANA DAR GOOD CITIZENSHIP CONTEST

The Montana State Society of the Daughters of the American Revolution again are sponsors of the Montana DAR Good Citizen Contest. The program has been endorsed by the National Association of Secondary School Principals. The contest is open on a voluntary basis to senior class students of accredited public and private high schools. Montana DAR Good Citizen winners are selected on the basis of merit, including a completed questionnaire, scholastic record and recommendations based on the qualifications of leadership, dependability, service and patriotism. For more information contact Mrs. D.F. Gibson, MSDAR, 2409 Spring Creek Dr., Bozeman S9715.



**Third Annual Montana Education Fair**

This spring the OPI will again sponsor the Montana Education Fair. The fair will continue to feature a wide variety of exemplary programs and innovative approaches to instruction in Montana schools. The resulting smorgasbord of ideas provides a valuable resource to educators of all subject areas and every level of education.

In the past two years fairs were held in Helena and Great Falls, and nearly 1,000 educators attended the two fairs. This spring's event will be held in Billings in March. Watch for details in the next issue of *Montana Schools* or call OPI, 1-800-332-3402.



# Unique Glacier Park Project Provides Education f



Two unidentified teachers dramatize an environmental education activity called "lifelines." The classroom activity effectively illustrates the interdependency of living organisms.



Spencer Sartorius, OPI Health and Physical Education Specialist, uses a compass to teach orienteering to two teachers—Marcia Merritt of Ronan (left) and Jay Sumner of Arlee (right). Orienteering is an activity sanctioned by the Olympics Committee and uses a map and compass to track a predetermined course.

When Helena teacher Carla Wambach attended this fall's Glacier Park Eagle Watch and Project Wild, she anticipated seeing a few eagles and learning about outdoor education. She discovered, however, that the seminar was much more than that. Carla returned to her third grade students at Hawthorne Elementary with materials in biology, anthropology, current events, social studies, mathematics, music, language arts and environmental studies.

This unique program has pleasantly surprised many participants. Billed as an interdisciplinary educational opportunity, the Eagle Watch is held during the salmon migration from Flathead Lake up McDonald Creek. Hundreds of bald eagles flock to the park to feed on spawning salmon.

"We counted 200 eagles this year," said Spencer Sartorius, OPI Health and Physical Education Specialist, who coordinates the two-day workshop. "It is estimated that a thousand eagles come through every fall and that each bird stays three to four days. The greatest concentration occurred two years ago when over 600 eagles were spotted on one day. It's not at all uncommon to sight 15 eagles sitting in one tree."

Seventy teachers were accepted for this November's program. Nearly 30 others who applied had to be turned down because of lack of space. "This is the fourth year we've operated the program," Sartorius said, "and it is getting very popular. Word travels fast." The workshop is presented by OPI in conjunction with the National Park Service and the Montana Department of Fish, Wildlife and Parks.

This year's program included a new component called Project Wild which provides teachers with a wide variety of outdoor educational opportunities. The experience combines outdoor education with classroom work which touches on the fields of science, physical education, social studies and various areas of elementary education.

Teachers are provided with a large selection of interdisciplinary classroom work to help them convert outdoor activity into various subject units. As a result of the program, Wambach developed an exemplary classroom unit entitled "Soaring with Eagles." It is a good example

of units a teacher can create by using Eagle Watch as a springboard.

Mrs. Wambach's unit kicks off with a lesson using a Thanksgiving theme. It is entitled "Mr. Eagle and Mr. Turkey," and it explains how the bald eagle—not the turkey—became the American national emblem. "For one thing," explains Mr. Eagle, "it was an honor for someone to wear one of my feathers. An Indian would add one feather to his headdress for each brave deed he had accomplished."

The unit progresses through the study of North American Indian tribes and their relationship to both the eagle and the salmon. Then the class moves to an anatomical study of the eagle's body, wings and feathers, and the principles of flight. There is a unit on natural history which centers on the bird's relationship to its environment and how environmental concerns affect other birds. The lessons include a study of the eagle's life cycle and feeding habits plus man's role in the continuing survival of this nationally significant bird.

Mrs. Wambach's unit even integrates music into the project with a selection of songs reflecting the sense of freedom and symbolism surrounding the bald eagle. Math studies are used to key on the annual eagle count and how it is achieved.

"I have always been interested in outdoor education," said Mrs. Wambach, an active member of the Helena Chapter of the Audubon Society and a past member of the Natural History Society in California. Describing herself as someone "who would just as soon plan a new classroom unit as plan a meal," Wambach wanted to share the thrill of the Eagle Watch with students in her classroom.

There are endless possibilities for converting the Eagle Watch into classroom activities for students of all grade levels.

"We have found that Eagle Watch participants are enthusiastic about this novel approach to outdoor education," Sartorius concluded, "and we hope not only to continue the program in the future but to expand it so that we will not have to turn teachers away."



Carla Wambach, teacher at Helena's Hawthorne School, reads a story to her third grade class. Ms. Wambach used the Eagle Watch Project to devise a creative classroom unit.



# for Teachers, Students



Teachers join tourists on the Apgar Bridge over McDonald Creek in Glacier Park to observe the eagles fishing for salmon.



Vince Yannone, Assistant Administrator of Conservation Education for the Department of Fish, Wildlife and Parks, positions a mature bald eagle so workshop participants have a closer look at one of the birds. Yannone had been nursing the wounded eagle after it was illegally shot.



# RESOURCE NOTES

**Resource Notes**, by the staff specialists at the Office of Public Instruction, are designed to give Montana educators a variety of useful information as well as access to important resources. If you have any questions about what you read here, or simply need assistance, call the OPI education hot line, 1-800-332-3402.

## Gifted & Talented

—Nancy Lukenbill  
Gifted & Talented Specialist

### Computer Problem Solving Contest

The Fourth Annual International Computer Problem Solving Contest for pre-college students will be held at your school on April 28, 1984.

Since 1981, the University of Wisconsin-Parkside has invited pre-college students all over the world to participate in a computer problem solving contest. Teams of one to three students, using one terminal or

microcomputer, attempt to solve five problems within a two-hour period. At the end of this time, the programs and required sample runs are listed out to a printer and handed over to local judges. If a team solves four or five problems correctly, the local contest director can forward the programs to the University of Wisconsin-Parkside for international comparison and ranking.

Recognition for top local teams is left to the discretion of local contest directors. Divisions include elementary, grades 4-6; junior, grades 7-9; and senior, grades 10-12.

Areas from which problems are chosen are: computation, simulation, patterns, words, and mind bender.

Problems of varying difficulty, chosen from these five areas, have three important properties: 1) to the extent possible, the problems have a common theme throughout all divisions; 2) problems are language independent; 3) problems are solvable with short programs.

If your school cannot schedule the contest on Saturday, Friday the 27th has been set as the alternate date. Registration is \$10 per contest site. For more information contact Nancy Lukenbill, OPI.

## English Language Arts

—Clouette Johnson  
English Language Arts Specialist

### Writing Awards Announced

Four Montana high school seniors have earned honors in the 1983 NCTE Achievement Awards in Writing Program. They are Elizabeth Russell, C.M. Russell High School, Great Falls, and Fran Oucharme, James A. Schaal and Elizabeth Thompson all of Billings Senior High School.

The purpose of the program is to encourage high school writers and to recognize the best student writers in the nation. Sponsored annually by the National Council of Teachers of English, the contest has been placed on the 1983-84 advisory list of national contests and activities by the National Association of Secondary School Principals.

Brochures and nomination blanks for the 1984 contest have been sent to

18,400 high school English department heads and to members of NCTE's secondary section. If additional nomination blanks are needed, photocopies may be made or more blanks may be obtained from NCTE.

Recipients of awards and their nominating English departments receive certificates of commendation from the National Council of Teachers of English.

NCTE mails a booklet listing winners and their addresses in October to directors of admissions and freshman studies in 3,000 colleges, universities, and junior colleges in the United States. Accompanying each booklet is a letter from NCTE recommending the winners for college admission and for financial assistance. Booklets are also sent to state supervisors of English, to NCTE affiliate organizations, and to the winners and their high school principals.

Only students who are **juniors** in the academic year of 1983-84 may be nominated for 1984 awards, and they must be candidates for high school graduation in 1985. This stipulation is made so that the booklet naming the winners reaches colleges in time for students to be considered for admission and scholarships in 1985. High school juniors from public, private, and parochial schools in the United States and Canada, as well as from American schools abroad, are eligible.

Each high school selects as its own nominee or nominees one or more juniors agreed upon by the English department (not chosen by an individual teacher). In selecting these young writers, teachers should consider whether or not the writer exhibits power to inform and move an audience through control of a large range of the English language. A prospective nominee need not express a desire to major in English.

A current official nomination blank for each nominee must be submitted to NCTE, postmarked no later than February 23, 1984. Only one student may be nominated on each blank. All nomination blanks from a school should be mailed to NCTE in the same envelope, designating one teacher to receive follow-up instructions in March. All information requested on the nomination blank must be provided.

If your school has not received the brochure and entry blank and you are interested in this contest, write to Achievement Awards in Writing, National Council of Teachers of English, 1111 Kenyon Rd., Urbana, IL 61801, or call Clouette Johnson, OPI.



### Montana Teachers Actively Support Professionalism

On October 20 and 21, approximately 4,800 teachers—over one-half of Montana's nearly 9,500 teachers—attended conferences sponsored by subject area associations or teacher associations.

Pictured is a unique experience offered at one conference. The 300 participants at the Montana Vocational Educational Conference held in Helena were offered the opportunity to brush up their skills at judging feeder cattle.

**TOLL FREE  
EDUCATION HOT LINE:**



**1-800-332-3402**



# RESOURCE NOTES

## Food Service

—Bris Skiles  
School Food Services

### Miscellaneous

#### Food Service News

Cooperative purchase of foods by local school districts has again proven successful. Most districts saved from 15-35 percent on all foods purchased through the cooperative purchase program.

Twice each year the Division of School Food Services assists local districts by compiling the purchase orders and handling the bid process. The next co-op purchase will be in September 1984. Letters with details will be sent to schools in April.

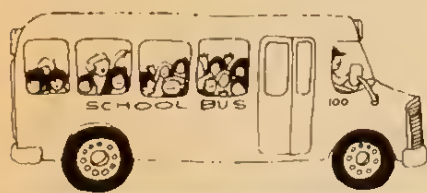
Angela M. Witt, R.D., has been appointed to the position of School Food Specialist. She replaces Richard Palmer who took a position with the Anchorage, Alaska school food services program.

Witt has a wide variety of experience in food service as a worker and supervisor of two university food services. She also has been a private consultant on nutritional needs.

She recently was appointed to the position of chairperson of education on the board of directors of the Montana Dietetic Association.

Mrs. Jean Stock, long-time commodity distribution coordinator for the Division of School Food Services, retired on July 1. Jean contributed greatly to the well-being of students through her prudent management of this position.

Ruth Boyce, Mrs. Stock's assistant, was promoted to the vacated position. Janet Miller was assigned to assist Ruth.



## Pupil Transportation

—Terry Brown  
Transportation Safety Specialist

### Alert Bus Driver Avoids Accident

Karen Stevens, a school bus driver for Rocky Mountain Transportation in Whitefish, deserves a pat on the back. In early November, Karen was driving her morning route west of Whitefish when she was confronted with a critical head-on collision situation. According to the investigating highway patrolman, she prevented a fatal head-on collision with her expert handling of the bus which was carrying about 60 children from the Olney area.

### New Havre Award Program

"Bus Student of the Week" awards are being presented to school bus riders in Havre who have demonstrated safe riding habits during the week. Ginger Zanto, Havre Pupil Transportation Supervisor, designed the program to help improve student behavior on buses. Original plans called for only elementary and junior high students to receive honors, but high school students now are asking how they can earn awards.

### Using Vans as School Buses

State regulations in both Wisconsin and Florida permit the use of conventional vans as substitutes for school buses to transport 10 or more students, but federal regulations don't allow for this. "School transportation directors in those two states would be foolish to rely on state regulations to protect them from liability suits," ruled the chief counsel for the National Highway Traffic Safety Administration. "It is our opinion that private liability could result if a child is injured in a vehicle that does not comply with federal (school bus) safety standards," he said.

### Wyoming Girl Settles Suit for \$1.4 Million

A teenage girl from Kemmerer, Wyoming, who was paralyzed when her school bus crashed on a ski trip in Utah, has settled her lawsuit out of court for a total of \$1.4 million. The school district paid \$1.3 million, Carpenter bus body company and Ford chassis manufacturer each paid \$50,000.

A Kemmerer school district official said the district learned several things from the tragedy and the resulting lawsuit. They didn't have a formal school bus driver training program, but they do now. They also learned to have supporting documentation for all driver training and school bus maintenance.

This should be a reminder to each school district in our state about the importance of good bus driver training and bus maintenance programs.

## Science

—Bob Briggs  
Science Specialist

### Chemistry Teacher Institute

**Attention chemistry teachers:** The annual Dreyfus Institute, to be held July 9-August 4, 1984, provides an expanded perspective on the teaching of descriptive chemistry. James Sylvester of Missoula attended the Institute and recommends it highly.

The institute will focus on the broad aspects of modern inorganic chemistry

and will include methods for integrating new materials, current and potential relevance, and experimental examples, including those suitable for microcomputers. Curricular guides for secondary school teachers reflecting this information will be developed during the institute.

The institute will be held at Princeton, NJ, and all expenses are paid. Applications must be in soon, so write Chemistry, Woodrow Wilson National Fellowship Foundation, Box 642, Princeton, NJ 08542.



### Science Symposia

The Montana Science Teachers Association, the Montana Academy of Science, and the Northwest Scientific Association will hold joint annual meetings at the University of Montana campus in Missoula on March 21-24, 1984. The meeting will feature five separate symposia on a broad range of natural science topics. These include two days of joint MAS/NWSA general sessions, with papers offered in the traditional subject areas; two banquets, each with a speaker; and special meetings for the MSTA.

Most MSTA activities will be planned for Friday afternoon and Saturday. Reduced rates for MSTA members are being arranged, and inexpensive dorm rooms are available. Watch your mail for further details.

The conference is planned around the needs of the Montana science teacher, and Montana teachers are urged to present papers. It is not an annual event so attendance is encouraged. If you have any questions, contact Doris Simonis, School of Education, University of Montana, Missoula S9812.

### Brief Notes

The Montana Academy of Science is offering a \$500 scholarship to an outstanding senior. He/she must have a GPA of 3.00 and submit a paper to the Academy on a research subject performed by the student. For complete details watch your mail or write Bob Briggs, OPI.

The Montana Science Teachers Association held its fall conference in Great Falls. More than 80 people attended the general session where Paul Markovitz, Gary Freebury, Rus Hartford, and Vic Anderson presented an overview of safety as it pertains to teachers.

National awards were presented to Herb York and Richard Menger, and

MSTA president Ed Courtney presented an address. Several valuable sectionals were given (although some were poorly attended on Friday).

The MSTA is grateful to those who spent many hours preparing sectionals. MSTA membership is growing rapidly, and new events are planned for the coming year.

The 22nd Intermountain Junior Science and Humanities Symposium will be held at the University of Utah, March 21-24, 1984. The Symposium is a three-day program for high school students and their science teachers on research in science-related areas, including engineering and mathematics. For further information write Bob Briggs, OPI.

## Guidance & Counseling

—Sherry Jones  
Guidance Specialist

### Together: Guidelines for Drug and Alcohol Programs

Schools and communities are increasingly recognizing their vital role and responsibility in counteracting drug abuse among Montana youth.

The Office of Public Instruction has published a document entitled *Together: Guidelines for Drug and Alcohol Programs* in an effort to help schools and communities respond to substance abuse. The document is designed to serve as a guide to schools and communities in initiating and/or coordinating drug and alcohol programs. Local school districts assisted in the development of the guidelines.

A copy of the publication can be obtained by contacting Special Services.

### Drug and Alcohol Program Grants

A federal Department of Transportation incentive grant of approximately \$350,000 has been awarded to the Montana Highway Traffic Safety Division. The grant will be used to combat the drinking driver problem in the state, and funds will be "passed through" to county governments, based upon the percent of total statewide accidents each county experienced in 1982.

To be eligible, a county must appoint a task force and develop a three-year plan to improve the county anti-drinking/driving system. Funding will be available for school-related activities, as well as for other elements within the system needing improvement.

A letter of instruction has been mailed to county commissioners; included was information to be used in developing county plans. Upon receipt of this package, each county has approximately six months to develop and submit a



# RESOURCE NOTES

plan. Funding will be available for three years on an increasing-match basis.

Any group working within a county is potentially eligible for funding within the plan. Interested parties should contact their county commissioners. Task force members should also read *Together: Guidelines for Drug and Alcohol Programs* which is available from OPI.

For further information contact Al Goke, Administrator, Department of Justice, Highway Traffic Safety Division, Helena 59620, 444-3412.

## 1983-84 Guidance Sites

The Office of Public Instruction has selected the following school districts as the 1983-84 sites for the development of comprehensive guidance programs: Browning, Colstrip, Culbertson, Frenchtown, Glendive, Hardin, Kalispell, Lima, Opheim and Poplar.

These school districts will receive training and technical assistance through the OPI. At the completion of projects, each program will serve as a valuable resource and model to other school districts.

## The Chemical People

The Chemical People, a two-part Public Broadcasting System program, was broadcast on KUED Channel 7 November 2 and 9. Part I presented an alarming overview of a nationwide problem. Part II offered guidelines for forming task forces or using existing alliances to take specific action against drug and alcohol abuse.

The Chemical People, Parts I and II, are available on half-inch video tape for a short-term loan through OPI. Contact the Department of Special Services if you wish to reserve a tape.

## Library Media

—Sheila Cates  
Library Media Specialist

## Exciting Things in Libraries

Lots of exciting things are taking place in Montana's libraries these days!

Approximately 100 enthusiastic library media people attended the Fall Retreats of the School Library Media Division (SLMD) of the Montana Library Association (MLA).

Weather prevented camping at Mokoshika State Park, but a few hearty spirits "camped" on the library floor at Dawson County High School in Glendive.

Topics discussed at both retreats included draft recommendations from the Federation Review Committee, evaluation forms for library media specialists, microcomputers in libraries (see article by Math/Computer Specialist), storytelling, multi-ethnic resources, biblio-

therapy, professional organizations, and an update from OPI.

Recommendations from the Federation Review Committee will soon be submitted for action to the State Library Commission. Recommendations deal with the future direction of Montana's federations; all school librarians are urged to study a copy of final recommendations as they become available.

At its October meeting in Great Falls the Commission gave approval to the formation of a state collection development committee. Collection development is a hot topic, and several libraries have adopted collection development policies. The charge to the committee is to encourage preparation of local, federation-wide, and state-wide collection development plans; to determine what materials the state does not have; and to make recommendations for providing those needed resources within Montana. The committee will have seven members or less, one representing school libraries.

## Pilot MONCAT

Another statewide project involving school libraries is Pilot MONCAT in which six school libraries—Poplar, Dawson County, Bozeman, Chinook, Libby High School and Roundup School/Community Library—along with 23 other libraries in the state, have received copies of the Washington Library Network's (WLN) *Resource Directory* to use for Interlibrary Loan.

There are 110 member libraries in the northwest with holdings in the RD. The RD also includes approximately 250,000 Montana holdings.

The advantage to those libraries participating in Pilot MONCAT for interlibrary loan is that they can go directly to the library having the needed resource—no middle steps are involved. It is available to students and teachers as a public catalog, placed adjacent to the card catalog.

A primary objective of the project is to stimulate the development of MONCAT—a union list of all Montana holdings. At the project's completion it will be evaluated and recommendations made about the best method to proceed with MONCAT.



## Dates & Events for School Librarians

February 14—I Love to Read Day;

April 8-14—National Library Week;

April 25—Continuing Education Pre-Conference Workshop: "Helena: Information Capital of Montana"; A Tour of Helena Information Centers & Sources, Helena;

April 26-28—Montana Library Assoc. Annual Conference, Colonial Inn, Helena: "1984-2001 The Future is Created in the Acts of the Present." Speakers include Art Plotnik, Editor of *American Libraries*, and children's author Jean Fritz.

For additional information or for assistance on school library media programs, contact Sheila Cates, OPI.

## Computer Education

—Dan Dolan  
Mathematics Education Specialist/  
Instructional Technology Coordinator

## Apple Discounts for Schools

The Apple Co. recently announced a discount agreement for schools. Until March 1, 1984 schools may buy any Apple product and receive a 30 percent discount. This represents a 5 percent increase over the former arrangement. Any school buying five items receives the sixth item free. The school starter package is not included in this offer. The five items must be the same; you may not buy a mix of disk drives and computers and receive a free sixth item. Contact your local Apple dealer or Dan Dolan for more information.

## Computer Survey Available

Schools soon will receive a copy of the 1983-84 Computer Use Survey Summary. Preliminary review indicates that Montana may approach 3,000 computers in schools—a ratio of one computer for every 50 students. A frequent request is for information on available software and evaluations. Rapid change in available software makes such a list impractical. However, if you need information on programs applying to a certain class at a grade level, we can provide you a list of schools in the state that are using the computer to teach that subject. Let us know if you have specific questions after receiving your survey summary. We will have a list of hundreds of computer users in the state who may have an answer to your question.

## Computer Conference Announced

The Third Annual Rocky Mountain Computer Conference will be held on the MSU campus in Bozeman on February 10-11.

Featured speakers will be Tony Jongejan, vice-president of the International Consortium of Computer Educators (ICCE), Maggie Moore of Oregon State, and Kent Wood from Utah State who will discuss video disks.

Several three-hour workshops will provide an in-depth study of selected topics. Hardware and software vendors will demonstrate their latest products.

This conference has been one of the outstanding meetings held in the state. Registration will be limited by space and machines. Register early. For information, write to Merry Fahrman, 114 N. Rouse, Bozeman 59715.

## A Reminder About Copying Software

A major problem facing developers of educational software is illegal copying of material in schools. A panel of seven representatives of software companies and seven educators discussed the issue recently at an NIE conference in Washington, D.C. Company representatives made it clear that the problem may cause some companies to discontinue software production. They noted that pricing of products reflects anticipated losses due to illegal copying.

The Task Force on Computer Education has suggested that each district adopt a policy concerning software copying which encompasses the major provisions of Public Law 96-517, Sec. 7(b). If your district needs help in developing its policy, please contact Dan Dolan or Sheila Cates for copies of suggested policies.

Public domain software, on the other hand, may be copied, and OPI has some of this material available. It is against OPI policy to mail out computer materials. You may review the materials in Helena and make copies or, if one of the specialists from OPI is going to be in your area, he or she can arrange to bring the material you wish to preview. We have a list of all software available at OPI.

Keep in mind that public domain software is less costly in terms of dollars, but may be expensive in terms of time. You can obtain a large number of programs at low cost, but you may find that many programs don't work. It may take an inordinate amount of time to look through what you have to find what is worthwhile. This may especially be a problem for schools and staff with minimal experience with computer programs and software.



## Mathematics

—Dan Dolan  
Mathematics Specialist

### Math Screening Exams to be Released

The final report to high schools regarding the math screening exam that was administered to all students entering the university system and Carroll College will be available soon. Schools should review this report in view of the number of students who took the exam, the high school preparation in math, and student success. We will probably find that those students who were enrolled in three or four years of math in high school were successful and were able to enter the math sequence in college without additional remedial coursework. This fact needs to be communicated to students below the senior level. Students should understand the math requirements of college and vo-tech courses of study and parents need to understand the costs involved in delaying math prerequisites. Students also need to understand that delay in prerequisite classes may result in additional years of study before graduation.

Copies of this year's test will be available to all schools for review by students. Providing lower-division students with information about test content may be very helpful in answering the question: "Why do I have to take that math anyhow?" Schools also may wish to review the content of courses now offered to see if all the objectives of the test are included in the curriculum.

Later this winter, teachers will be asked to submit items for the development of next year's test. If you are interested in assisting in the project, send your name to Dan Dolan at DPI.

### Math Teachers Receive Awards

Four Montana math teachers were honored this fall for excellence in the classroom.

Glenda Tinsley from North Junior High, Great Falls, received the Presidential Award for Excellence in Teaching Math. She received a three-day trip to Washington, D.C., a reception at the White House with President Reagan, a new calculator and computer. Her school received \$5,000 and an IBM PC computer.

Jim Williamson, Columbus High School, received an award certificate from NCTM and from the Presidential Awards Committee.

Lee VonKuster of the University of Montana was awarded the MCTM Math Teacher of the Year plaque for the secondary/college level at the MCTM Conference in October. Lee is well known throughout the state and the country for

his outstanding contributions to math education.

At the elementary level, Lance Johnson, Bozeman Junior High, received the Teacher of the Year award. Lance is known not only for his excellent work in the classroom, but for his work in developing new curriculum and his efforts in MCTM projects.

### Math Requirements Studied

Many schools are considering a three-year math requirement as a result of recent national reports on the quality of education in the U.S. Several important considerations affect such a decision.

Most important is the question of whether there will be enough qualified and certified teachers to teach these classes. Montana has reported a shortage of 20 to 25 math teachers each year for the past three years. If there is a shortage of math teachers with the current two-year math requirement, it will be exacerbated by a three-year requirement.

Another question is whether the present sequence of classes in the math curriculum meets the needs of all students. Most might agree that it would not be too difficult to offer a third class for college prep students; those classes already are in the curriculum. However, would adding a third year of math require students who are not in the college prep curriculum to enroll in college prep math courses? Or should schools offer a third year of general math?

These questions must be carefully considered before a third year requirement is added. According to an Association of Supervision and Curriculum Development (ASCD) report on "Projected Impact of Requiring Three Years of Math and Science," the new requirement would:

- decrease the achievement of college bound students;
- better prepare vocational students for the high-tech labor market;
- adversely affect the curriculum balance;
- reduce the caliber of math and science teachers;
- accentuate the current shortage of math teachers; and
- require additional funds for new teaching positions, lab facilities, teacher incentives and teacher retraining.

The task force studying the issue began with the premise that any action should improve the quality of instruction. They then evaluated whether such a requirement would make a positive difference. The study included a large cross section of schools in the state, teachers, administrators, and postsecondary personnel. Districts in Montana considering similar action may wish to review the complete study.

## Traffic Education

—Curt Hahn  
Traffic Education Specialist

### New Passenger Car Equipment Rule

The National Highway Traffic Safety Administration recently announced that all passenger cars produced after September 1, 1985 must have a third light mounted in the line of sight near the rear window either inside or outside of the car. The purpose of this requirement is to reduce the danger of rear-end collisions. Research shows this to be a very effective rear lighting system.

### Graduate Assistantships in Safety Education Available

Texas A & M University's Safety Education Program has graduate assistantships available for the 1984 spring and summer sessions. Students may pursue either masters or doctoral programs with an emphasis in safety education. Contact Curt Hahn for further information.



### NHTSA Offers Safety Belt Information Guide

The National Highway Traffic Safety Administration has announced the publication of a new guide to audiovisual and print materials which encourage the use of safety belts and child safety seats. The guide includes a list of materials available on each subject, a synopsis of each item, the intended audience, and suggested uses. Copies may be obtained from Office of Occupant Protection, NTS-10, U.S. Department of Transportation, 400 7th St. S.W., Washington, D.C. 20590. A self-addressed label should accompany each request.

### Report Reviews Sanctions Against Drunk Drivers

The U.S. Department of Transportation has released a report reviewing the latest information on penalties imposed in all 50 states on persons convicted of driving while intoxicated (DWI). The report is entitled *DWI Sanctions: The Law and the Practice*. Write NHTSA, General Services Division, (NAD-51), 400 7th St. S.W., Washington, D.C. 20590.

### Car Book is Again Published

The 1983 edition of *The Car Book* incorporates features of earlier versions with a variety of new information. Added to sections on crash test performance, fuel economy, and operating costs are sections on air bags and child safety seats, an expanded insurance guide, guidelines for buying tires, and a used car guide. The book costs \$7.95 and may be purchased at your local bookstore or from the Center for Auto Safety, 1223 Dupont Circle Bldg., Washington, D.C. 20036.

### Where is the Dimmer Switch?

Driver license examiners have encountered an unusually large number of applicants who do not know where the dimmer switch is located on their vehicles. Most newer passenger vehicles locate the dimmer switch on a lever attached to the steering column rather than in the traditional location on the floor by the left fire wall. Driver services has asked traffic education instructors to discuss and demonstrate locations of all instruments to students.

### Bicycle Citations Will Not Add to "Points"

The most recent word we have received from the Montana Department of Justice is that citations issued to bicyclists for violation of traffic laws will not include the assignment of "points" toward the habitual offender system.

### Gallup: 7 of 10 Adults Favor Driver Education

More than 7 of every 10 adults surveyed in the 1983 Gallup Poll of Public Attitudes toward public schools favor instruction in driver education. The same number favored computer education.

### Free Car Care Kit

Car Care for Safety is an 80-frame filmstrip with audio tape designed to provide basic maintenance information in a simple and appealing format. It can be used with driver education classes or with civic and community groups. This is an ideal way to help students, their parents and other citizens. After instruction, students can present the program in the community—good PR for your program. The package includes a descriptive flyer, an early warning checklist, and a leader's guide. Seven activities are outlined to reinforce the audiovisual message and class discussions. ADTSEA members can obtain this kit by contacting the American Driver and Traffic Safety Education Association.





## UN MORE CLASSIFIED

### COMPUTER SOFTWARE

Are you looking for computer software? Do you need help in finding it? DPI has a list of 200 vendors plus a list of organizations that provide public domain software. Call or write Dan Dolan for more information.



### FIND NYLEEN MARSHALL

A \$10,000 reward is offered for information about Nyleen Kay Marshall, a Helena child missing since last June. When she disappeared while on an outing in the mountains south of Helena, Nyleen was four and a half. She was wearing pale orange shorts and a pastel yellow shirt.

At the time of her disappearance Nyleen was 37" tall and weighed 28 pounds. Her eyes are blue and her light brown, naturally curly hair was waist length.

Her parents, K.V. and Nancy Marshall, Clancy, say Nyleen's identifying marks include a small mole over her left eye, a chipped right upper tooth, dimples in both cheeks but deeper in the right cheek and excessive body hair, especially on her lower back.

The Marshalls are prepared to negotiate a ransom agreement, if necessary. All calls are confidential. Persons who may have information concerning Nyleen's whereabouts are urged to contact the Marshalls, Star Rt, Box 443, Clancy S9634, (406) 933-5749.

The Marshalls are very concerned also that other parents take precautions against such a tragedy. Two measures they encourage are fingerprinting of children and taking black and white photos regularly. (Black and white photos make better reproductions in newspapers and posters.)

### SUMMER IN ISRAEL SCHOLARSHIP

Applications are being accepted from qualified secondary teachers for the Joseph Homan Summer in Israel Scholarship. Persons receiving the annual scholarship will receive funding of between \$2,500 and \$3,000 for the purpose of study in Israel during the summer of 1985.

Scholarship recipients may, for example, attend the Hebrew University at Jerusalem or live in a kibbutz. The length of stay in Israel will be determined by the recipient and will be governed by the amount of the scholarship. Arrangements will be coordinated by the Office of Public Instruction and the Israeli Consulate.

For more information, contact Ed Eschler, DPI.

### FILMS FREE—ON LOAN

A new free fall catalog published by Modern Talking Pictures lists 181 free-loan color films available for the classroom. Categories include science, technology, home lifestyles, health and hygiene, sports, travel and general interest. To order, write Direct Mail Department, Modern Talking Pictures Services, 5000 Park St. W., St. Petersburg, FL 33709, (813) 541-7571.

### COMPUTER DISKS AVAILABLE

High quality computer disks are still available from the Montana Council of Teachers of Math. The disks come in a box of 12; the cost is \$25, which includes postage. To order or for more information contact Cynthia Bauman, Highland Park Elementary School, 1312 7th Ave. N., Lewistown S9457.

### JAPANESE FELLOWSHIPS ARE AVAILABLE

The Japan Institute for Social and Economic Affairs in Tokyo is offering 30 fellowships for the summer of 1984. The all-expenses paid Travel Study Fellowships to Japan are designed to help social studies educators become better acquainted with contemporary Japanese society and thus to enhance the teaching of global perspectives in schools.

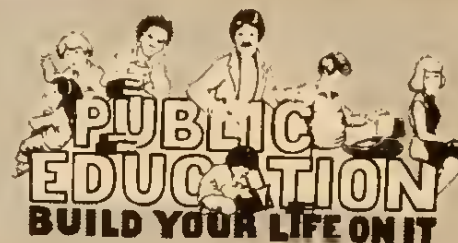
Elementary and secondary teachers, specialists and college professors are eligible for the fellowships as long as they work in the social studies area. Deadline for application is March 3. For more information, contact NCSS Selection Committee for JISEA Fellowships, 1333 Gough St., Suite 6F, San Francisco, CA 94109, or Edward Eschler, OPI.

### MATH AT WORK IN SOCIETY

The Mathematical Association of America has four films and a 32-page booklet available to schools as part of the "Math at Work in Society" program. The video tapes: "An Actuary—What's That," "Mathematics in Space," "Math: Language of Research," and "Math: When Will I Ever Use It," can be obtained from Dan Dolan at DPI. The booklets are available from MAA, 1529 18th St. N.W., Washington, D.C. 20036.

### AUSTRALIAN TEACHING FELLOWSHIPS AVAILABLE

Once again DPI will be accepting applications for the International Teaching Fellowship Program. The 1985 exchange will be between Montana teachers and teachers from Victoria, Australia. Fellowships are offered to elementary and secondary teachers. There will be a direct exchange of teaching positions and accommodations for the position. Travel arrangements are not included. For more information, contact Edward Eschler, DPI, 1-800-332-3402.



### Argenbright Receives National Education Award

State Superintendent Ed Argenbright was presented with an award from the U.S. Department of Education during a Lion's Club meeting in Butte. Tom Tancredo (pictured right), Director of the Denver regional office, made the presentation. Tancredo noted that U.S. Secretary of Education Terrel Bell had identified Argenbright for his exceptional leadership in Montana's public education.

Tancredo said that Argenbright was recognized as one of the nation's forerunners in advancing the quality of education. Tancredo cited several accomplishments of Argenbright's term in office, including the establishment of the Task Force on Excellence in Education and the Task Force on Computer Education. Tancredo also noted that Montana's chief has spoken out strongly in favor of increasing the number of credits required for high school graduation, increasing the required grade point average for teacher candidates, mandating achievement tests for every public school student, and requiring that teachers be tested prior to certification. He also has recommended the study of teacher merit pay and longer school years.

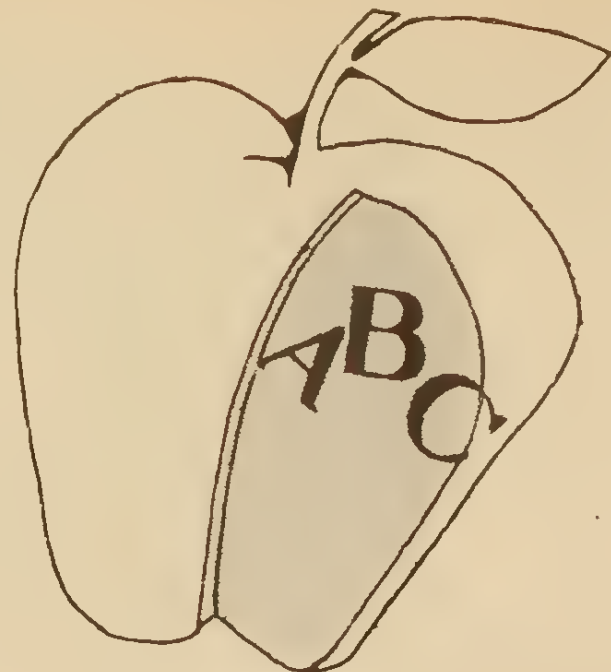


# 1984 Training Opportunities in Montana

January to June

The following is a list of training events of interest to school personnel. This list represents an effort by OPI to gather information in a single source about activities which have a connection to education. For information about the calendar, please contact Barbara Harris, OPI, 444-2417. For information about specific programs, please contact the listed contact person. OPI staff can be reached through the education hot line (1-800-332-3402). This calendar is current as of December 1, 1983.

Each listing is in the following order: date, type of event, title of event, location, duration (e.g. 3 OA), sponsors or coordinators, (contact person), telephone number if not OPI. In some cases, pre-registration may be necessary.



## January

- 4 Course: *BUED 480 Word Processing for Educators*, Hobson (12 OA); (Ray Sperry, MSU) 994-3851.
- 6 Workshop: *Put New Power in Your Program*, Oillon (1 DA); (Ron Lukenbill, OPI).
- 8 Meeting: *OEA Delegation Planning Meeting*, Bozeman (2 DA); (Marion Reed, OPI).
- 9 Workshop: *Talents Unlimited Teacher Training*, Kalispell (2 DA); (Nancy Lukenbill, OPI).
- 12 Workshop: *Generic Services and Resources: An Untopped Educational Resource*, Havre (1 DA); (Ron Lukenbill, OPI).
- 14 Meeting: *DECA State Officer Meeting*, Helena (1 OA); (Redina Berscheid, OPI).
- 16 Course: *CSCE 591 Computer Education for Teachers*, Kalispell (10 WK); (Lee Spuhler, WMC), 683-7537.
- 17 Workshop: *Computers, Kids and Competence*, Dillon (1 DA); (Ron Lukenbill, OPI).
- 18 Conference: *Child Abuse Conference*, Missoula (2 DA); (Capt. Doug Chase, Missoula Police), 721-4700.
- 25 Conference: *Montono Assoc. of Elementary School Principals Annual Conf.*, Great Falls (3 OA); (Jesse Long, MAESP), 442-2510.
- 27 Workshop: *Special Education, Computers*, Kalispell (1 OA); (Ron Lukenbill, OPI).
- 30 Workshop: *Put o Computer in Your Monogement Tool Box*, Bozeman (1 OA); (Ron Lukenbill, OPI).

## February

- 12 Lincoln's Birthday.
- 14 Valentine's Day.
- 20 Washington's Birthday observed.
- 22 Washington's Birthday.

## March

- 17 St. Patrick's Oay.
- 28 Workshop: *Put o Computer in Your Monogement Tool Box*, Lewistown (1 DA); (Ron Lukenbill, OPI).
- 30 Workshop: *Put o Computer in Your Monogement Tool Box*, Oillon (1 DA); (Ron Lukenbill, OPI).

## April

- 7 Conference: *Montono Assoc. of School Administrators Annual Conf.*, Helena (2 OA); (Jesse Long, SAM), 442-2150.
- 8 Workshop: *Montono Assoc. of Gifted and Tolented Education*, Helena (2 DA); (Judi Fenton, Havre Schools), 625-5841.
- 9 Conference: *DECA Stote Coreer Development Conference*, Billings (3 DA); (Redina Berscheid, OPI).
- 9 Conference: *Stote FFA Leadership Conf.*, Bozeman (3 OA); (Leonard Lombardi, OPI).
- 11 Conference: *1984 Symposium on Eorly Educotion and the Exceptionol Child*, Billings (3 OA); (Christine Mason, EMC), 657-2351.
- 11 Conference: *Montono Assoc. of County Superintendents Annual Conf.*, Lewistown (3 OA); (Helen Loney, Cascade County), 761-6700.
- 12 Workshop: *Techniques and Materiels for Teochers to Shore with Porents*, Miles City (1 OA); (Ron Lukenbill, OPI).
- 13 Workshop: *Put New Power in Your Program*, Billings (1 OA); (Ron Lukenbill, OPI).
- 22 Easter Sunday.
- 22 Conference: *Montono Assoc. of Secondory School Principols Conf.*, Bozeman (5 OA); (Jesse Long, MASSP), 442-2510.
- 23 Workshop: *Teoching Techniques for Porents/Teochers of Severely Hon-dicopped*, Glendive (1 DA); (Ron Lukenbill, OPI).
- 27 Meeting: *Distributive Educotion Coordinotors Meeting*, Bozeman (2 DA); (Redina Berscheid, OPI).

Do you have questions? Do you need help?  
Call the OPI hotline—1-800-332-3402.





Japanese Delegation Visits Montana Schools

State Superintendent Ed Argenbright accepts a handmade paper lantern as a gift from a delegation of Japanese educators who visited Montana in September. The group was composed of 23 educators from schools in the Japanese state of Kumamoto. During their brief visit, they visited the Smith Elementary School in Helena, the C.R. Anderson Middle School in Helena, Billings West High School and the Billings Career Center.

In 1982, at the suggestion of Ambassador Mike Mansfield, Montana signed a sister state agreement with the state, or prefecture as

it is known in Japan, of Kumamoto. Since then, several different group exchanges have taken place between the two states. Each year ten students from each country have participated in a year's school exchange.

The Japanese delegation of educators provided another opportunity for Montanans to increase their awareness through worldwide communications. Due to new technology, Montana is not as isolated from the rest of the world as it used to be.

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